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This listing of claims will replace all prior versions, and listing of claims in the application:

In the claims:

Claim 1 (currently amended): A diagnostic method for detecting infection with an avian influenza virus of a specific epidemic strain (HxNy) comprising the steps of:

providing a recombinant antigen comprising an amino acid sequence of a neuraminidase protein (Nav) or a fragment thereof:

contacting said an antigen with a specimen of biological fluid from an animal to be tested, wherein the antigen is a recombinant antigen comprising an amino acid sequence of a neuraminidase protein (Nay) or a fragment thereof; and

determining whether the antigen has any antineuraminidase antibodies bound thereto by means of a positivity detection test.

Claim 2 (original): A diagnostic method according to Claim 1 wherein the antigen is encoded by a nucleotide sequence derived from the genome of an avian influenza virus with epidemic subtype (HxNy).

Claim 3 (currently amended): A diagnostic method according to Claim 1 [[or 2]] wherein the antigen is obtainable by expression in insect cells using a baculovirus vector.

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Claim 4 (currently amended): A diagnostic method according to Claim 1 any one of the preceding

elaims wherein the method is capable of discriminating between infected animals and vaccinated

animals.

Claim 5 (currently amended): A diagnostic method according to Claim 1 t-any one of the preceding

elaims wherein the specimen of biological fluid is from an animal which has been vaccinated

against avian influenza.

Claim 6 (currently amended): A diagnostic method according to Claim 1 any one of the preceding

elaims wherein the detection test is carried out on specimens of biological fluid from a population of

animals at least some of which have been subjected to vaccination by means of a heterologous

vaccine characterized by the same subtype of viral haemagglutinin Hax and a different subtype of

neuraminidase Nay.

Claim 7 (currently amended): A diagnostic method according to Claim 1 any one of the Claims 1 to

6 in which said test for the detection of positivity is an immunofluorescence or immunoperoxidase

test.

Claim 8 (currently amended): A diagnostic method according to Claim 1 t any one of the Claims 1

to 6 in which said test for the detection of positivity is an ELISA test.

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Claim 9 (currently amended): A diagnostic method according to Claim 1 any one of the Claims 1 to 6 in which said test for the detection of positivity is a colour test that is adapted to be carried out on the field by means of an inert support with said antigen adsorbed on.

Claim 10 (currently amended): A process for vaccinating animals against avian influenza virus infection with specific epidemic strain HxNy comprising the steps of:

preparing a heterologous-vaccine characterized by the same subtype of viral haemagglutinin

Hax and a different subtype of neuraminidase Naz;

administering said vaccine to at least one group of animals selected from a population at risk of infection, wherein the vaccine is a heterologous vaccine characterized by the same subtype of viral haemagglutinin Hax and a different subtype of neuraminidase Naz; and

determining whether an animal is infected with the virus using a diagnostic method according to Claim I any one of Claims I to 9.

Claim 11 (original): A vaccination process according to Claim 10, in which said vaccine is a natural vaccine obtained by inactivating a natural virus.

Claim 12 (original): A diagnostic kit for detecting infection with avian influenza virus with epidemic subtype (HxNy), comprising:

a solid support of an inert material;

a recombinant antigen comprising an amino acid sequence of a neuraminidase protein NAy or a fragment thereof in a state that is substantially non modified as compared with that of the

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specific avian influenza virus strain (HxNy), said antigen being associated onto said solid support;

a reagent that is adapted to colorimetrically evidence the positivity to infection in the presence of anti-NAy antibodies contained in a biological fluid of an animal.

Claim 13 (original): A diagnostic kit according to Claim 12 wherein the kit is capable of discriminating between infected animals and vaccinated animals.

Claim 14 (currently amended): A diagnostic kit according to Claim 12 [[or 13]], in which said support is selected from the group consisting of comprising: latex spheres, plastic supports.